| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|-------|--|--|---------------------|---------|------------------|
| S14 7 | . 298 | (constellation with (edge or region or boundary or region or partition or divi\$3)) and S57 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/01/31 00:05 |
| S14 8 | 38 | (constellation with (edge or region or boundary or region or partition or divi\$3)) and S57 and (demap\$3 or de\$1map\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/01/30 23:56 |
| S14 4 | 142 | (constellation with (edge or region or boundary or region or partition or divi\$3)) same (sign or positive or negative or "1" or "-1") and soft | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/01/30 23:49 |
| S14 3 | | (constellation with (edge or region or boundary or region or partition or divi\$3)) same (sign or positive or negative or "1" or "-1") and S57 and soft | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/01/30 23:49 |
| S9 | 9 | soft and (constellation same (edge or boundary or boundaries)) and (in\$1phase or inphase) and quadrature and 375/261.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/01/30 23:47 |
| S13 7 | 18 | (soft with (de\$1map or demap\$3)) and (constellation with (edge or region or boundary or region or partition or divi\$3)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/01/30 23:45 |
| S13 1 | 144 | soft and (constellation with (edge or region or boundary or region or partition or divi\$3)) and ((bit\$1sign) or (bit adj sign) or sign) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/01/30 23:39 |
| S13 5 | 13 | ("4646305" "4807253" "5054036" "5675590").PN. OR ("6038696").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/01/30 23:38 |

| S93 | 40 | syncomm | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/01/30 17:23 |
|-----|-------|---|--|----|----|------------------|
| S91 | 48 | ((demap\$3 or de\$1mapl\$3 or de\$1compos\$3 or decompos\$3) same soft) and constellation and (boundary or edge or threshold or grid or partition) and soft | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/01/30 17:19 |
| S41 | 15 | (soft).ab. and ((demap\$3 or de\$1mapl\$3 or de\$1compos\$3 or decompos\$3) same constellation) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/01/30 17:07 |
| S72 | 31 | ((constellation or multi\$1level or multilevel) and (demap\$3 or de\$1mapl\$3 or de\$1compos\$3 or decompos\$3)) and soft and (previous with (current or next)) not (absolute or magnitude) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/01/30 16:40 |
| S60 | 15583 | (sign with (threshold or edge or boundary or grid or pratition)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/01/30 16:20 |
| S57 | 4859 | (375/261 375/262 375/264 375/265 375/341 714/786 714/791 714/792 714/794 714/795 714/796).ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/01/30 16:18 |
| S42 | 20 | (US-20020138807-\$ or US-20050201484-\$ or US-20040184563-\$ or US-20040091058-\$ or US-20050047524-\$ or US-20040071229-\$).did. or (US-6834088-\$ or US-6798846-\$ or US-7154966-\$ or US-6476734-\$ or US-6473878-\$ or US-6907084-\$ or US-6078626-\$ or US-6421400-\$ or US-6977972-\$ or US-5574751-\$ or US-5381450-\$ or US-7142610-\$ or US-6421394-\$).did. | US-PGPUB; USPAT | OR | ON | 2007/01/30 15:37 |

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|-----|------|---|--|-------------|-------------|------------------|
| S34 | 7490 | (375/286 375/316 375/261 375/147 375/341 714/786 714/791 714/792 714/794 714/795 714/796).ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/01/29 22:08 |
| S31 | 41 | (soft same (constellation same (approximat\$3 or map\$3))) and (((in\$1phase or inphase) or quadrature) with (weight or approximat\$3 or value or map or de\$1map or demap)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/01/29 22:06 |
| S30 | 65 | (soft same (constellation same (approximat\$3 or map\$3))) and (((in\$1phase or inphase) or quadrature) same (weight or approximat\$3 or value or map or de\$1map or demap)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/01/29 22:06 |
| S19 | 85 | (soft and (constellation same (edge or boundary or boundaries))) and (((in\$1phase or inphase) or quadrature) same (weight or approximat\$3 or value or map or de\$1map or demap)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/01/29 22:02 |
| S11 | 3152 | (375/286 375/316 375/261).ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR . | ON | 2007/01/29 21:52 |
| S17 | 45 | (soft and (constellation same (edge or boundary or boundaries))) and ((in\$1phase or inphase) and quadrature) and ((current same previous) same (weight\$3 or value)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/01/29 21:51 |
| S12 | 13 | soft and (constellation same (edge or boundary or boundaries) same (approximat\$3 or quantiz\$3)) and (in\$1phase or inphase) and quadrature | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/01/29 21:45 |
| S8 | 17 | ("5315617" "5345440" "5392299" "5416801" "5596582" "5602835" "5682376" "5790550" "5862182").PN. OR ("6282168").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/01/29 21:35 |

| S6 | 64 | (soft\$1decision or (soft adj decision) or (soft adj distance) or (soft adj metric)) and (constellation same (edge or boundary or boundaries)) and (in\$1phase or inphase) and quadrature | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/01/29 21:35 |
|----|----|--|--|----|----|------------------|
| S4 | 21 | (soft\$1decision or (soft adj decision) or (soft adj distance) or (soft adj metric)) same constellation same (edge or boundary or boundaries) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/01/29 21:30 |